

Johnstown Castle Winter Milk Herd- Weekly Management Notes - 04/12/17

- All stock are housed, weather conditions are not that critical, so ironically rainfall for the past week was just 2.6mm, with an average soil temp back to 5.0 °C. Rainfall for November was 72mm with a slightly higher than average soil temp of 7.9°C. Farm cover @ 5/12/17 was 635kgs/ha, with a total annual production similar to the previous couple of years at 14.25T/ha.
- Most of our silage tested between 70-72DMD, our early first cut (14th May), tested better @ 75DMD (see analysis), we're feeding this to the autumn milkers at the moment, this will probably last until mid to late January, we'll be looking at reasonably good silage of ~72DMD at that stage, but hopefully cows will be back getting some grass in the diet towards early Feb, which might help to offset any drop in silage quality.
- Start of breeding is fast approaching (12/12/17), all the autumn cows have been tail painted, cows missing paint are noted, by start of breeding next week we'll have a good handle on what's been cycling.
- All of the spring cows still in milk will be dried off next week, some cows are still milking well, but based expected calving dates most of these are due dry. By feeding poorer quality silage & removing concentrate we'll restrict their diet for the coming week to reduce yields pre-dry off. Based on cell counts throughout the year approximately 70% of these cows will be treated with a sealer only.

	<i>This week (04/12/17)</i>	Autumn Calving Herd	Spring Calving Herd
Production	% of Herd Milking	97%	58%
	Milk Kg	27.5	14.8
	Fat %	4.28	4.92
	Protein %	3.44	3.60
	Milk Solids kg	2.12	1.26
Intake	Grazed Grass kgs/dm/cow (estimate)		
	Silage kgs/dm/cow	9.5	14
	Maize silage kgs/dm/cow	5.0	0
	Concentrate in TMR – kgs/dm/cow	2.5	0
	Parlour concentrate kgs/dm/cow	5	2.5
Totals	<i>Lactation to date per cow</i>	Mean calving date 9 th October	Mean calving date 7 th March
	Days in Milk	56	259
	Milk kg	1472	5945
	Milk Solids kg	119	453
	Concentrate Fed	305 in parlor (363 in total)	576

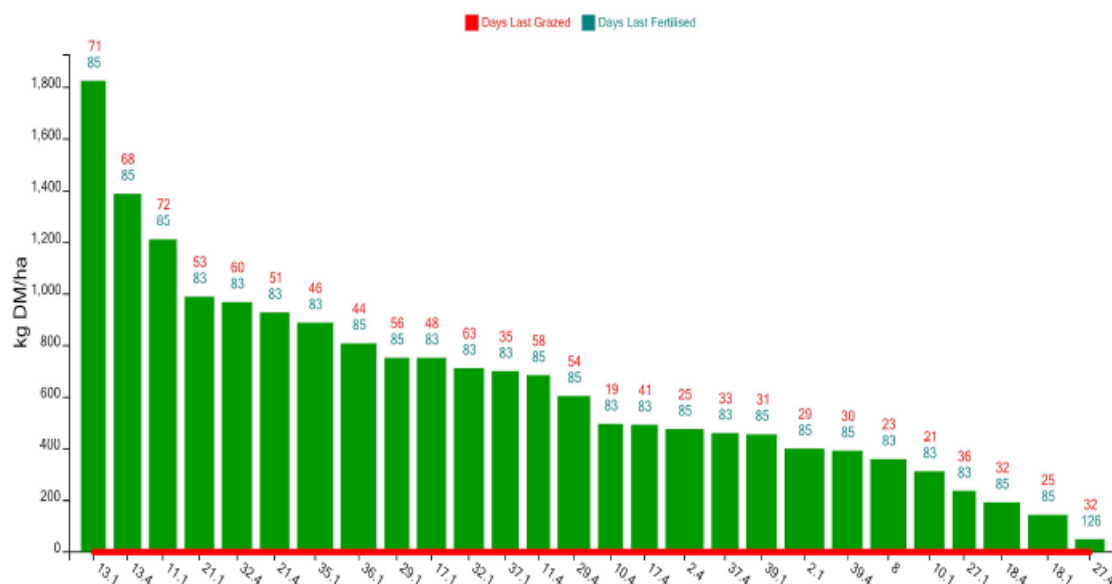
Group: Teagasc Dairy Research Farms	Cover Date: 05/12/2017
Farm: Johnstown Dairy	Treatment: Autumn

Management Decisions

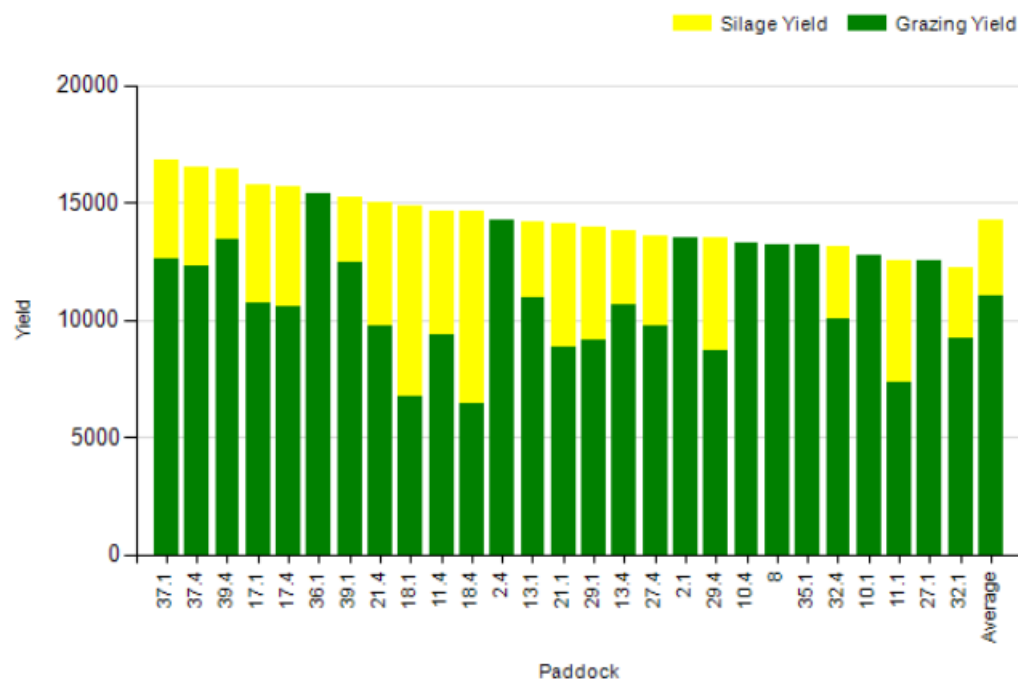
Rotation Length (days):	0	Residual Height (cm)	4
Target Pre-Grazing (kg DM/ha):	0		

Cover Parameters

Farm Cover (kg DM/ha):	635.00	Total LU:	
Cover / LU (kg DM/LU):		LU / ha:	0.00
Growth/ha (kg DM/ha/day):	6.00	Grazing Area:	27 (20.61 ha)
Demand / ha (kg DM/ha/day):		Reseed:	0 (0.00 ha)
Demand / day (kg DM/day):		Silage - Cut Later:	0 (0.00 ha)
Days ahead:		Silage - Cut Now:	0 (0.00 ha)
Kg LWT / ha:		Other:	0 (0.00 ha)



Cumulative Paddock Yield to 05/12/2017



**JOHNSTOWN CASTLE
WEXFORD**

Certificate Number: SE41301

Farmer: PO 200221347

Sample Receive Date: 15/11/2017

Return Date: 16/11/2017

Lab Reference: SE88009

Item	Units	Desirable Values	Result	Status
Dry Matter	%	20 - 30	33.4	-
pH	-	4 - 4.7	4.1	Good
Ammonia N	% of Total N	< 10.1	8.4	Good
ASH	%	< 8.6	9.9	Moderate
NDF	%	< 45.0	40.50	Good
DMD	%	> 68.9	75.0	Good
ME	MJ/kg	> 9.8	10.8	Good
Crude Protein	%	13.5 - 17	15.4	Good

Item	Units	Normal Range	Result	Status
PDIN	g/kg	65 - 102	91	4
PDIE	g/kg	58 - 83	86	
PDIA	g/kg	16 - 37	28	
UFL	per kg	.65 - .90	0.85	
UFV	per kg	.59 - .89	0.81	
SFU	per kg	1.04 - 2.81	1.45	
LFU	per kg	.95 - 1.89	1.19	
CFU	per kg	.96 - 1.92	1.20	
DM Intake Cattle	g/kg $W^{0.75}$	70 - 130	112	
DM Intake Sheep	g/kg $W^{0.75}$	60 - 140	104	

PREDICTED PERFORMANCE
(silage ad lib no meals)

WITH GOOD MANAGEMENT

Lactating Cows (Litres/Day)	13.4
Dry Cows (Kg/Day)	0.8
Beef Cattle / InCalf Heifers (Kg day)	0.7
Weanling (Kg/Day)	0.5

SUPPLEMENTATION

Dairy Ration Protein %	18
Kg/Day for 27 litres	6.5
Beef Ration Protein %	13
Kg/Day for 1Kg/day Gain	4.00
Weanling Ration Protein %	14
Kg/Day for 0.6 Kg/day Gain	0.5